

Data File : VV009473.D
Acq On : 04 Mar 2019 16:00
Operator : SY/MD
Sample : K1660-02DL 5X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CWJY2DL

Quant Time: Mar 05 04:11:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR030419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 05 04:03:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	111358	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	109442	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	48865	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31358	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.58	69	41204	6.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.40%
11) 1,1-Dichloroethene-d2	2.13	63	59879	3.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	3.97	46	59306	44.70	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.40%
24) Chloroform-d	4.40	84	54292	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
26) 1,2-Dichloroethane-d4	5.08	65	28093	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
32) Benzene-d6	5.09	84	115460	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	6.12	67	34119	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.20%
41) Toluene-d8	7.36	98	113522	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	7.67	79	13832	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.14	63	53770	47.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	24503	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	38026	4.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.80%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	636	0.082	ug/L	92
6) Bromomethane	1.53	94	2911	0.529	ug/L	90
8) Chloroethane	1.60	64	731	0.127	ug/L #	71
12) 1,1-Dichloroethene	2.13	96	1269	0.157	ug/L #	1
16) Methylene chloride	2.53	84	4268	0.452	ug/L	91
18) trans-1,2-Dichloroethene	2.78	96	885	0.100	ug/L	79
22) cis-1,2-Dichloroethene	3.96	96	25435	3.217	ug/L	97
34) Trichloroethene	5.96	95	97577	11.623	ug/L	98
35) Methylcyclohexane	6.12	83	8281	0.618	ug/L #	21
37) 1,2-Dichloropropane	6.12	63	3814	0.528	ug/L #	88
42) Toluene	7.43	91	4780	0.141	ug/L	94
44) trans-1,3-Dichloropropene	7.66	75	925	0.103	ug/L	90
47) Tetrachloroethene	8.02	164	2188	0.339	ug/L	79
49) Dibromochloromethane	8.02	129	2074	0.314	ug/L #	12
67) 1,3,5-Trichlorobenzene	12.69	180	579	0.050	ug/L #	84
70) 1,2,3-Trichlorobenzene	13.80	180	453	0.055	ug/L #	78

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030419\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 05 04:03:59 2019
Response via : Initial Calibration

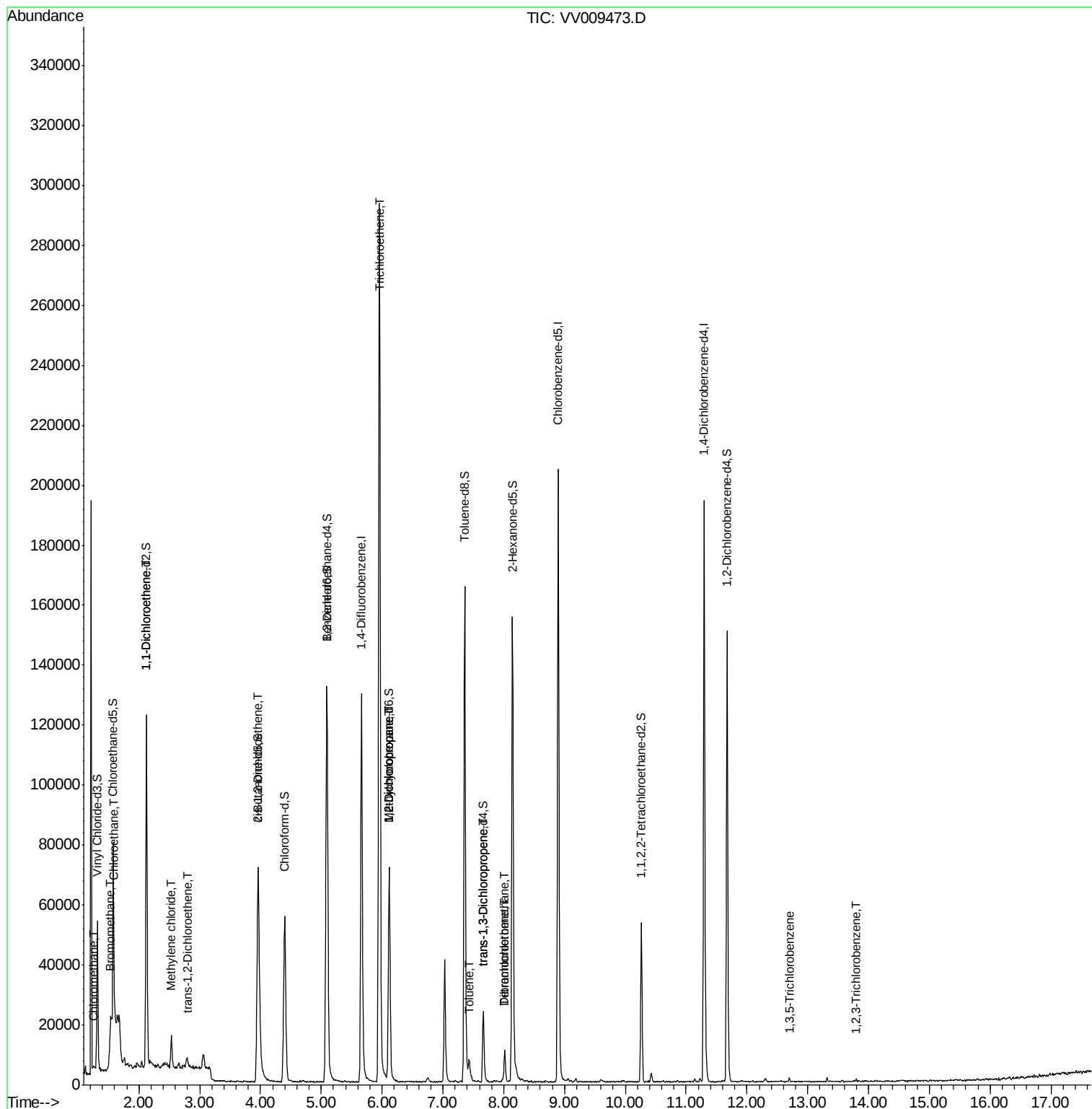
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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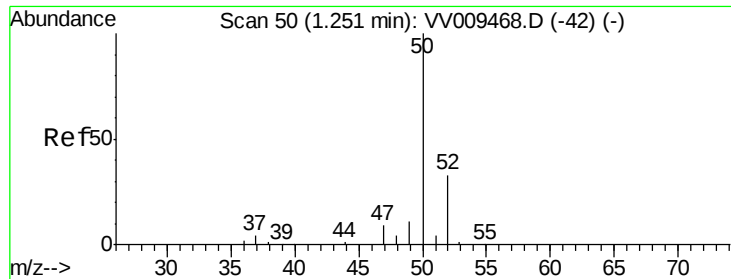
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.082 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009473.D

Acq: 04 Mar 2019 16:00

Instrument :

MSVOA_V

ClientSampled :

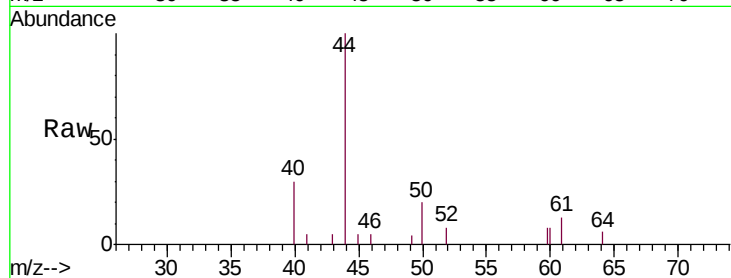
CWJY2DL

Tgt Ion: 50 Resp: 636

Ion Ratio Lower Upper

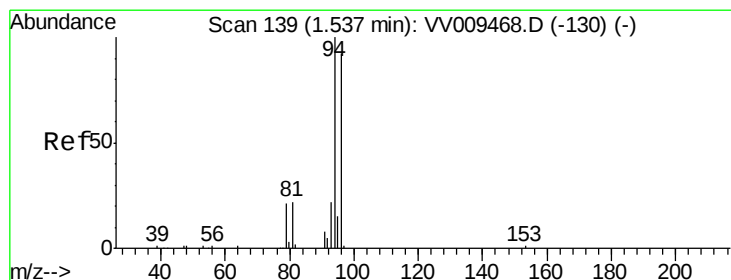
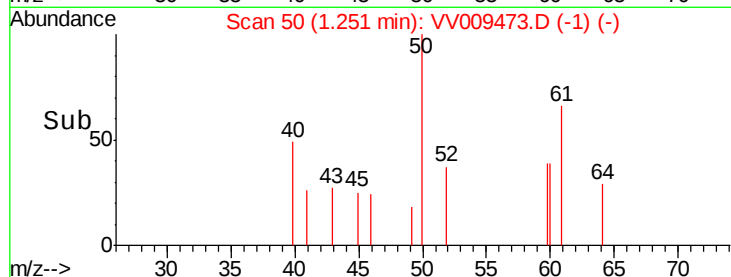
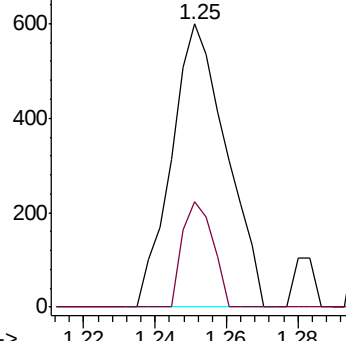
50 100

52 37.4 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#6

Bromomethane

Concen: 0.529 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV009473.D

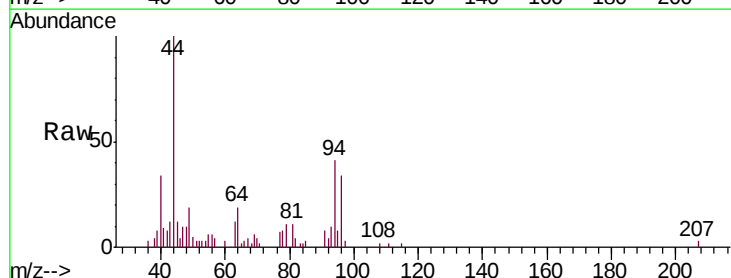
Acq: 04 Mar 2019 16:00

Tgt Ion: 94 Resp: 2911

Ion Ratio Lower Upper

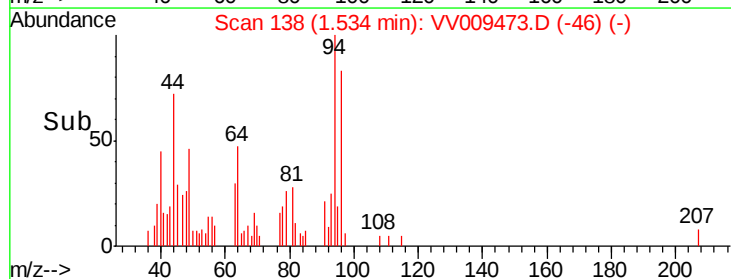
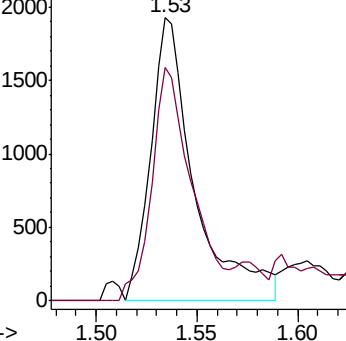
94 100

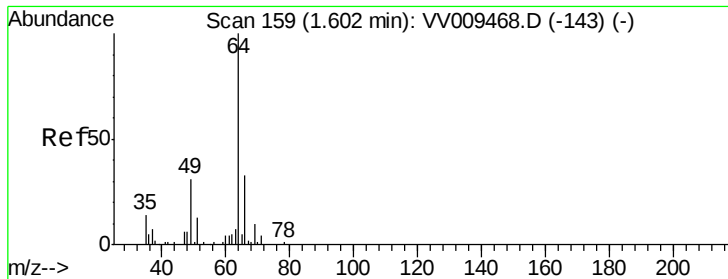
96 82.6 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.127 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.01 min

Lab File: VV009473.D

Acq: 04 Mar 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

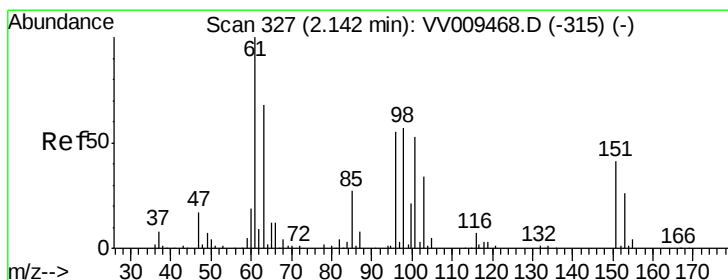
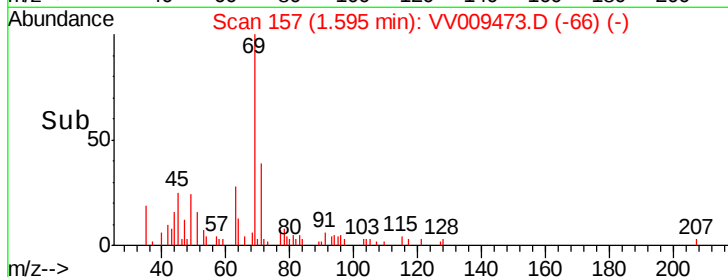
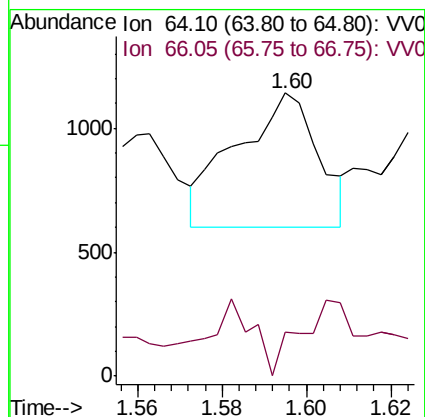
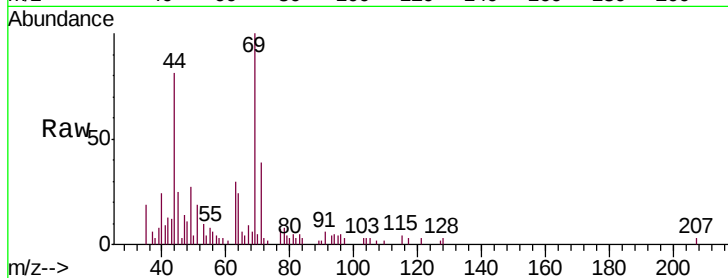
CWJY2DL

Tgt Ion: 64 Resp: 731

Ion Ratio Lower Upper

64 100

66 15.7 22.4 41.6#



#12

1,1-Dichloroethene

Concen: 0.157 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV009473.D

Acq: 04 Mar 2019 16:00

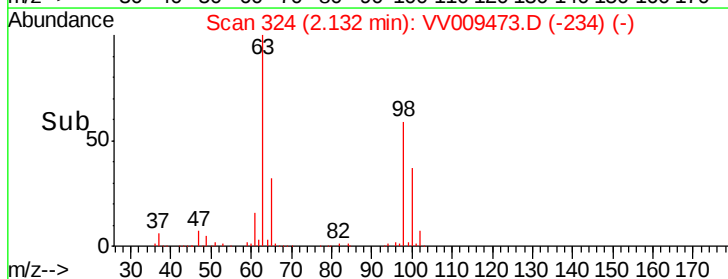
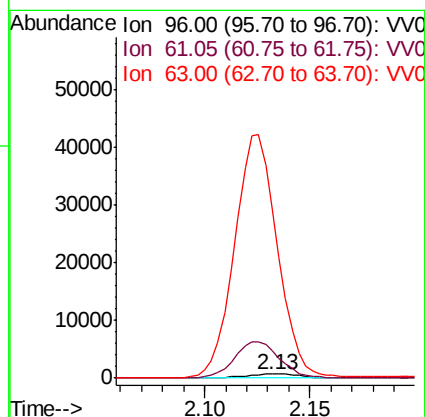
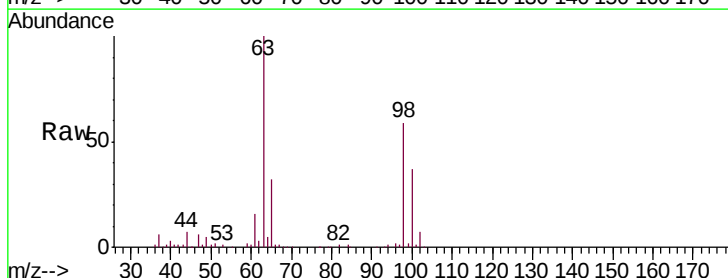
Tgt Ion: 96 Resp: 1269

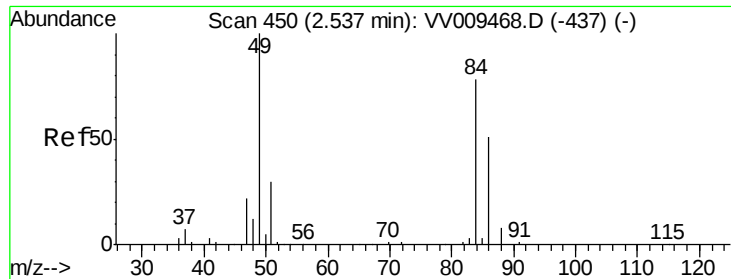
Ion Ratio Lower Upper

96 100

61 694.9 127.1 236.0#

63 4235.9 88.8 164.8#

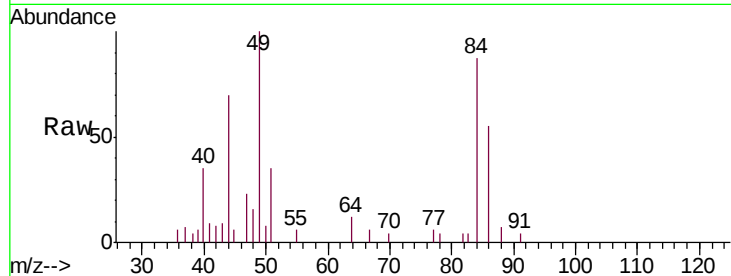




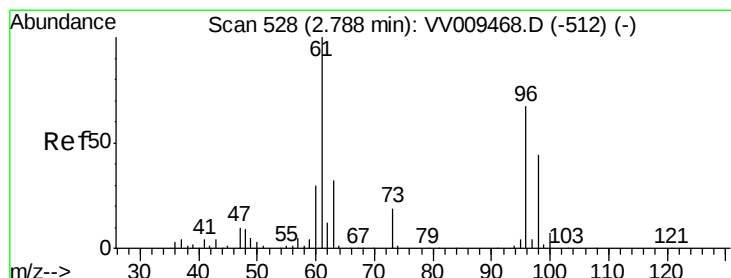
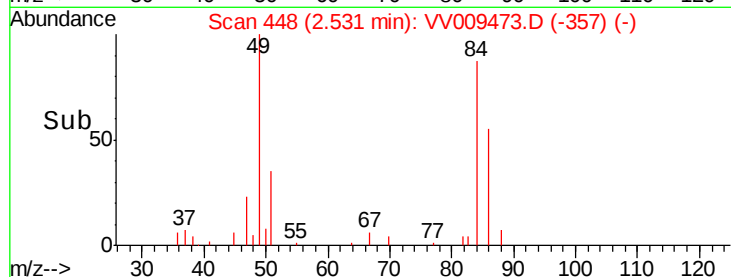
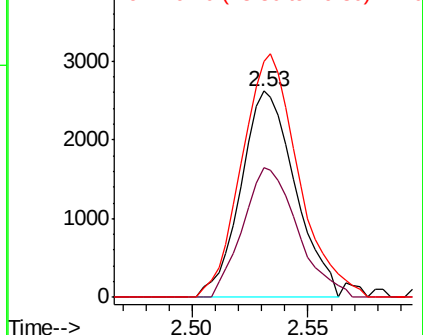
#16
Methylene chloride
Concen: 0.452 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.01 min
Lab File: VV009473.D
Acq: 04 Mar 2019 16:00

Instrument :
MSVOA_V
ClientSampleId :
CWJY2DL

Tgt Ion: 84 Resp: 4268
Ion Ratio Lower Upper
84 100
86 62.8 46.1 85.5
49 114.7 89.7 166.5

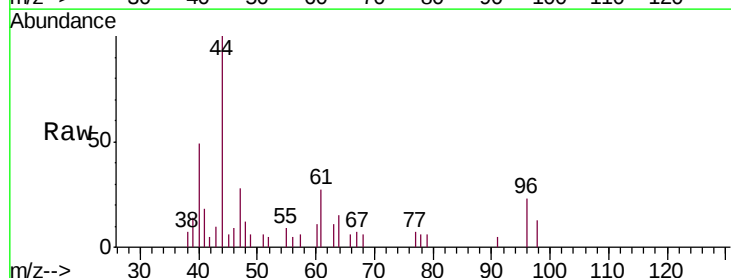


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

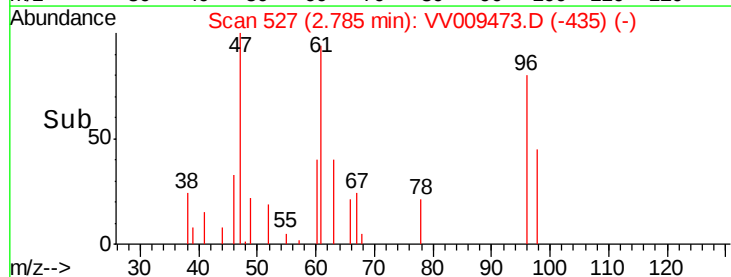
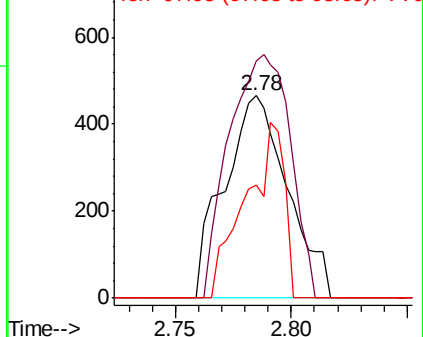


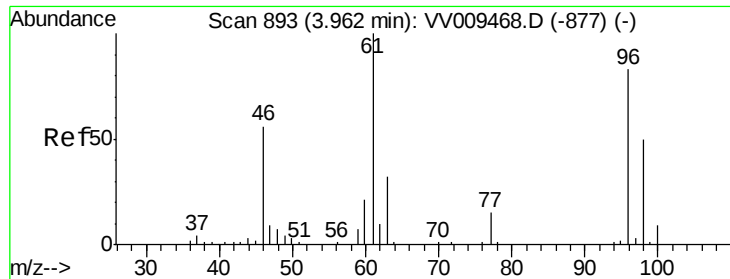
#18
trans-1,2-Dichloroethene
Concen: 0.100 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV009473.D
Acq: 04 Mar 2019 16:00

Tgt Ion: 96 Resp: 885
Ion Ratio Lower Upper
96 100
61 117.4 103.9 192.9
98 55.7 46.0 85.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0



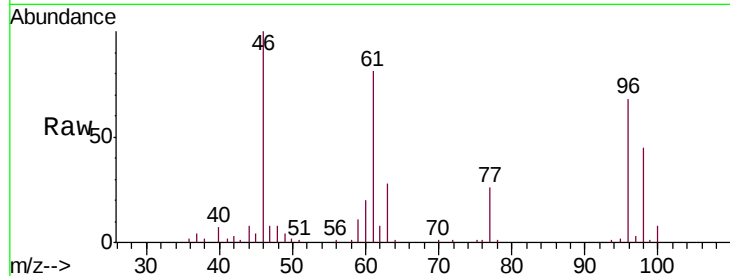


#22

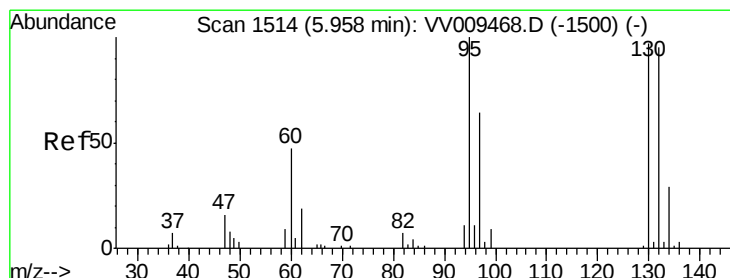
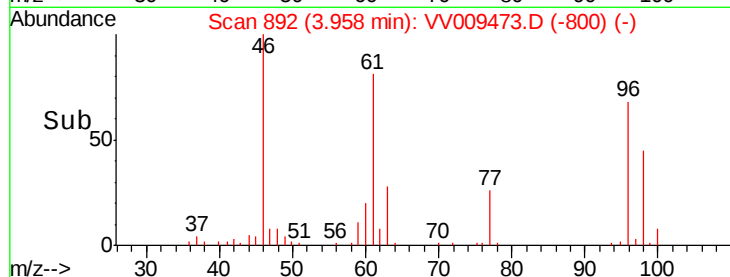
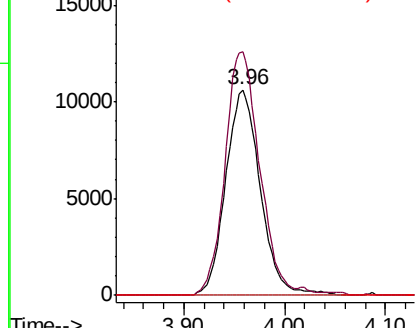
cis-1,2-Dichloroethene
 Concen: 3.217 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV009473.D
 Acq: 04 Mar 2019 16:00

Instrument :
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 ClientSampleId :
 CWJY2DL

Tgt Ion: 96 Resp: 25435
 Ion Ratio Lower Upper
 96 100
 61 118.3 84.8 157.4
 68 0.0 0.0 0.0



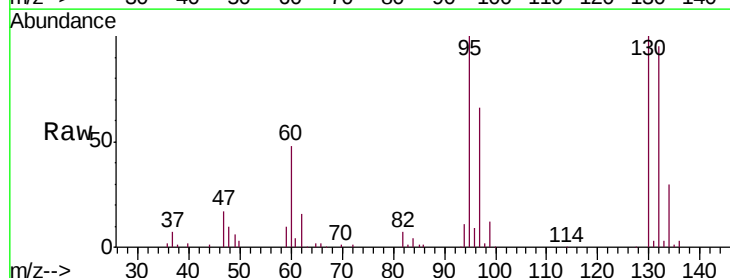
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



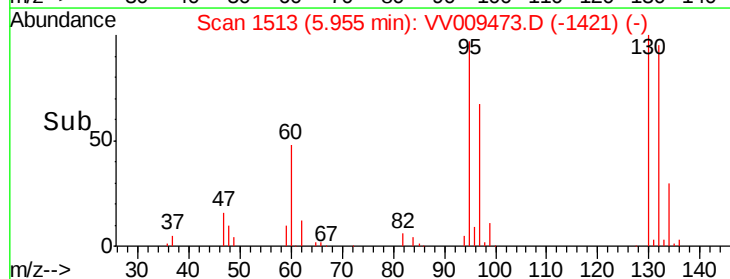
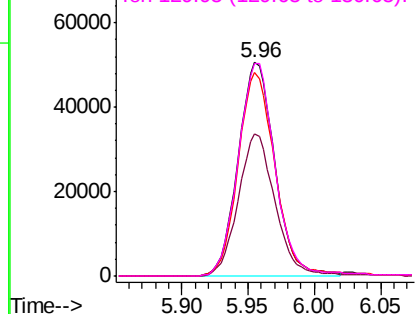
#34

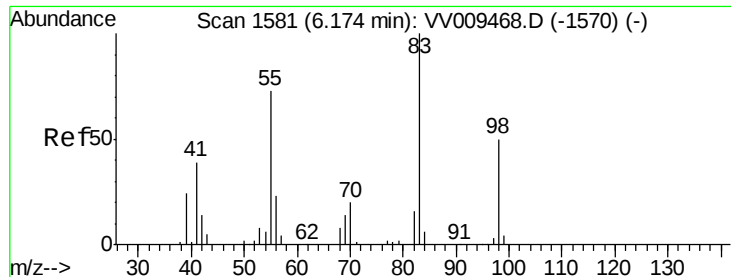
Trichloroethene
 Concen: 11.623 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV009473.D
 Acq: 04 Mar 2019 16:00

Tgt Ion: 95 Resp: 97577
 Ion Ratio Lower Upper
 95 100
 97 66.5 44.4 82.5
 132 95.0 66.4 123.4
 130 99.7 68.1 126.5



Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

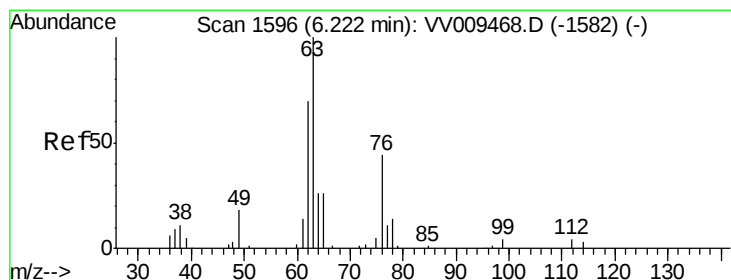
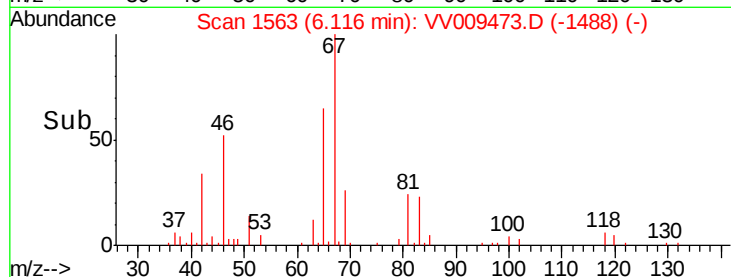
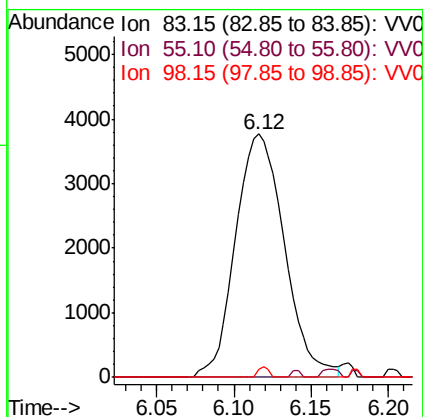
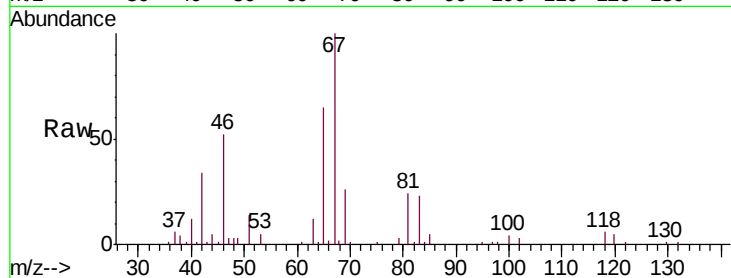




#35
Methylcyclohexane
Concen: 0.618 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV009473.D
Acq: 04 Mar 2019 16:00

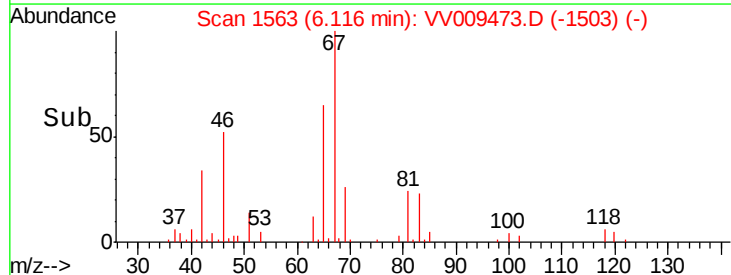
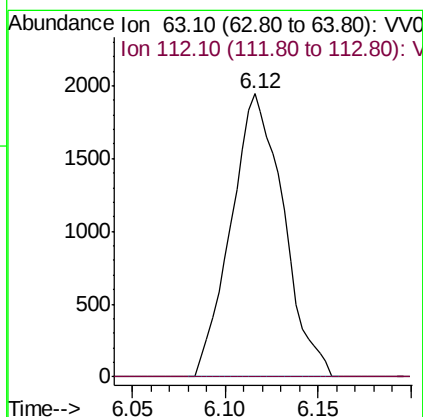
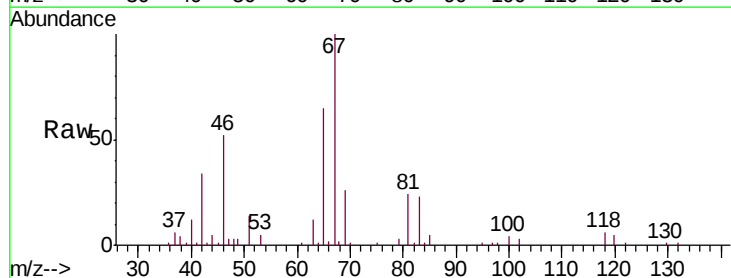
Instrument :
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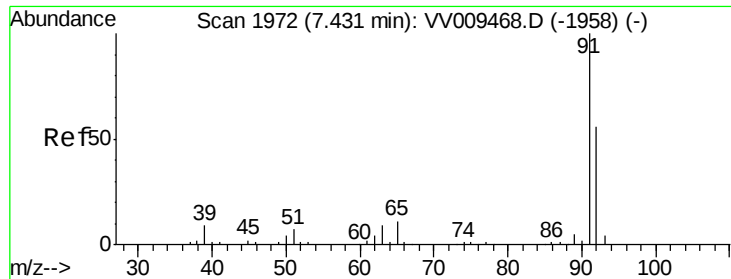
Tgt Ion: 83 Resp: 8281
Ion Ratio Lower Upper
83 100
55 0.5 57.4 86.2#
98 1.0 38.9 58.3#



#37
1,2-Dichloropropane
Concen: 0.528 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.11 min
Lab File: VV009473.D
Acq: 04 Mar 2019 16:00

Tgt Ion: 63 Resp: 3814
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#





#42

Toluene

Concen: 0.141 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009473.D

Acq: 04 Mar 2019 16:00

Instrument :

MSVOA_V

ClientSampleID :

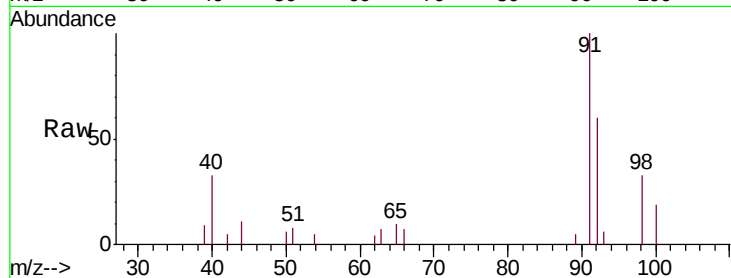
CWJY2DL

Tgt Ion: 91 Resp: 4780

Ion Ratio Lower Upper

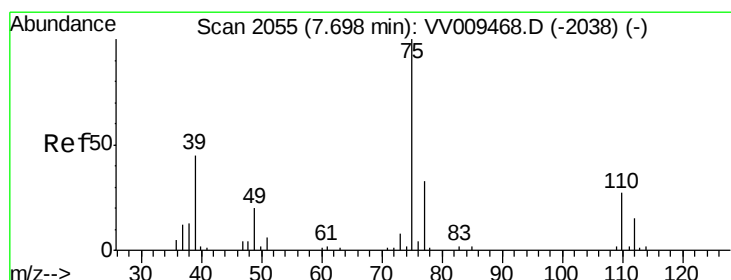
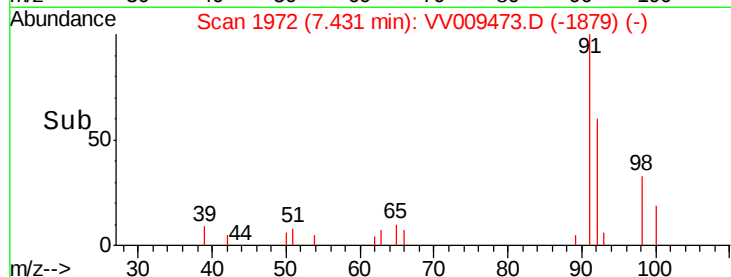
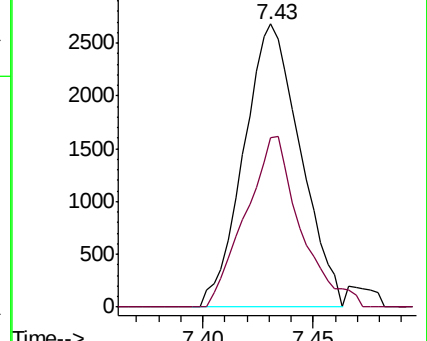
91 100

92 60.0 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV009468.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV009468.D (-1958) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.04 min

Lab File: VV009473.D

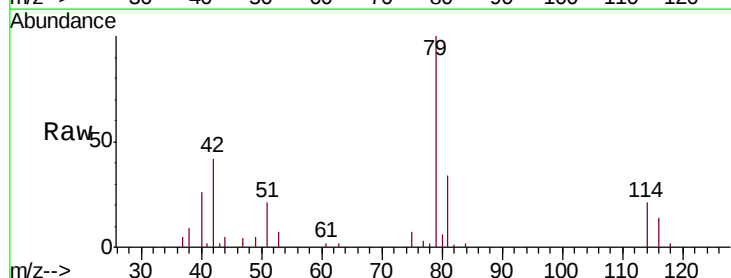
Acq: 04 Mar 2019 16:00

Tgt Ion: 75 Resp: 925

Ion Ratio Lower Upper

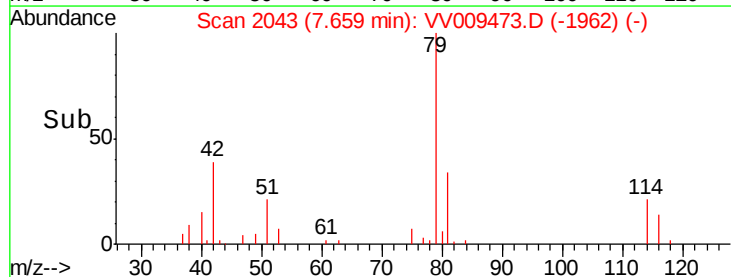
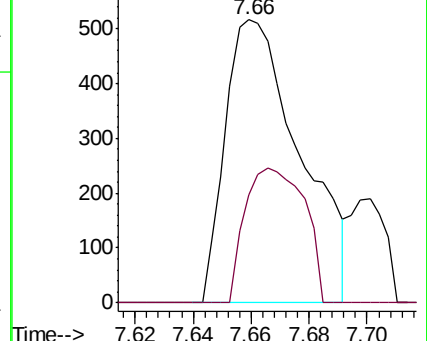
75 100

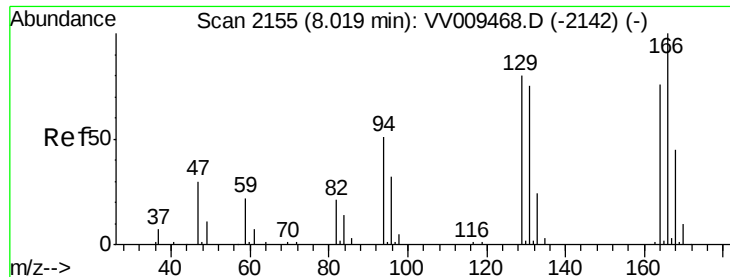
77 37.9 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VV009468.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV009468.D (-2038) (-)





#47

Tetrachloroethene

Concen: 0.339 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV009473.D

Acq: 04 Mar 2019 16:00

Instrument :

MSVOA_V

ClientSampleId :

CWJY2DL

Tgt Ion:164 Resp: 2188

Ion Ratio Lower Upper

164 100

129 86.3 73.6 136.8

131 78.6 68.4 127.0

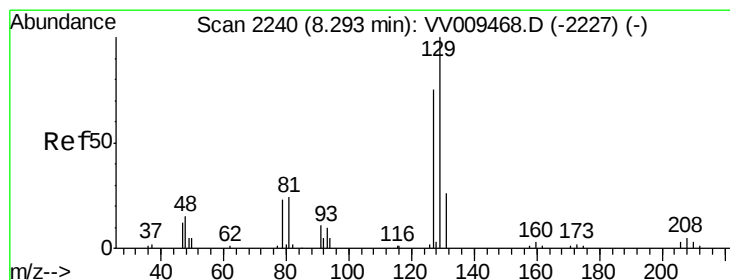
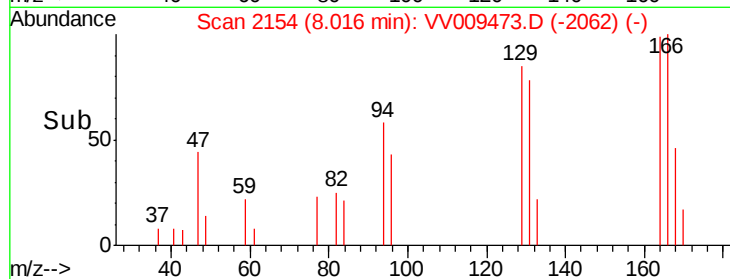
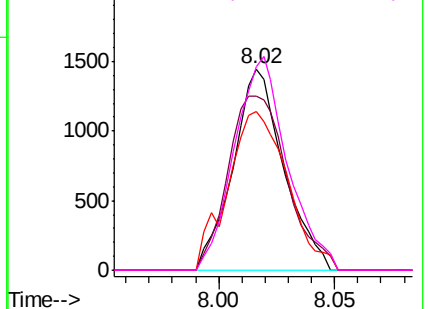
166 101.1 91.8 170.4

Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 0.314 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.28 min

Lab File: VV009473.D

Acq: 04 Mar 2019 16:00

Tgt Ion:129 Resp: 2074

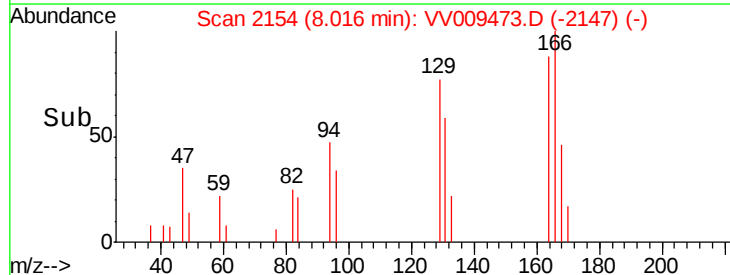
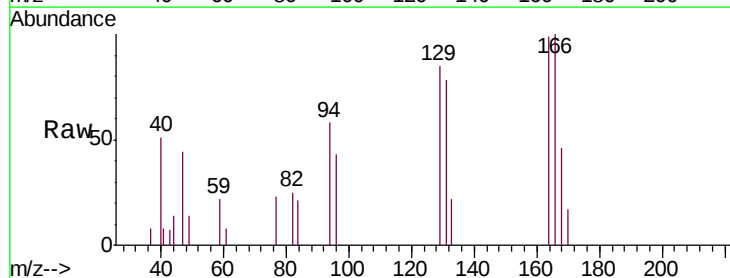
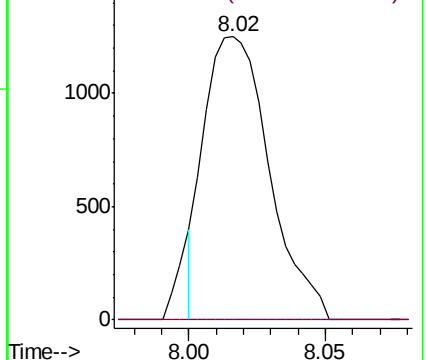
Ion Ratio Lower Upper

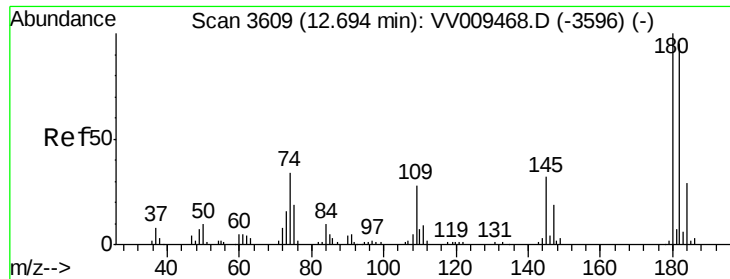
129 100

127 0.0 52.4 97.4#

Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

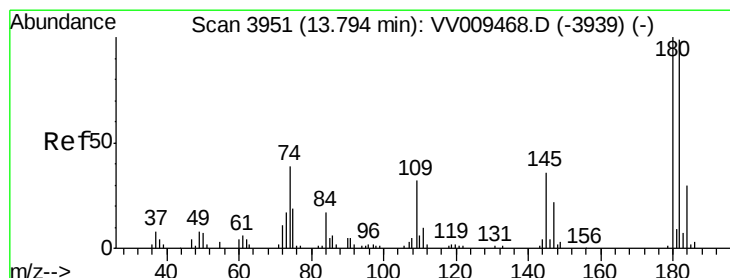
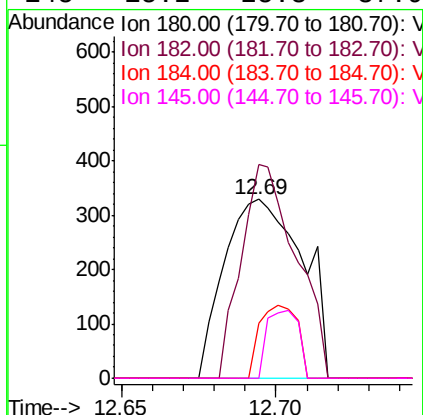
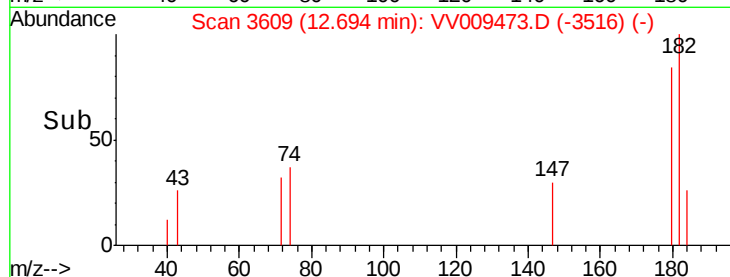
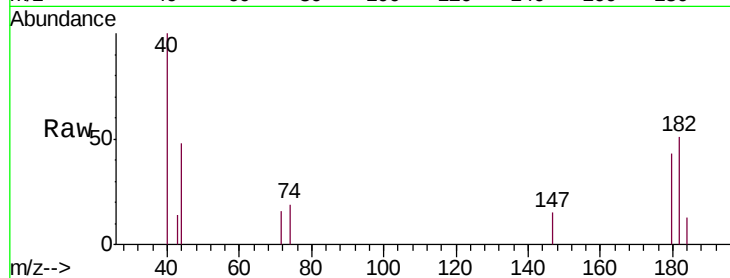




#67
 1,3,5-Trichlorobenzene
 Concen: 0.050 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009473.D
 Acq: 04 Mar 2019 16:00

Instrument :
 MSVOA_V
 ClientSampleId :
 CWJY2DL

Tgt Ion:180 Resp: 579
 Ion Ratio Lower Upper
 180 100
 182 83.4 75.0 112.6
 184 19.7 23.9 35.9#
 145 15.2 25.3 37.9#



#70
 1,2,3-Trichlorobenzene
 Concen: 0.055 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV009473.D
 Acq: 04 Mar 2019 16:00

Tgt Ion:180 Resp: 453
 Ion Ratio Lower Upper
 180 100
 182 87.6 76.8 115.2
 145 0.0 28.2 42.2#

